

Acekool ACE19S18K230VH54

Acekool 18000 BTUs Mini Split Air Conditioning & Heating User Manual

Model: ACE19S18K230VH54 | Brand: Acekool

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Acekool 18000 BTUs Mini Split Air Conditioning & Heating system. Please read this manual thoroughly before operating the unit to ensure safe and efficient use.

The Acekool Mini Split AC system offers efficient cooling and heating with a 19 SEER2 rating, utilizing a ductless inverter system for energy savings. It features smart control options, multiple operation modes, and quiet performance.

IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or injury, observe the following:

- Professional installation is highly recommended for this mini split AC system. It is not a DIY mini split AC.
- Always disconnect power to the unit before performing any maintenance or cleaning.
- Do not flush the air conditioner with water.
- Use only a soft dry cloth or a wet cloth dipped with neutral detergent for cleaning. Avoid volatile liquids.
- Ensure proper grounding of the unit.
- Keep children away from the unit during operation and maintenance.
- Do not block air inlets or outlets.

WHAT'S IN THE Box

Your Acekool Mini Split AC system includes the following components:

- 1* Indoor Unit
- 1* Outdoor Condenser
- 1* Copper & Aluminum Connection Pipe (16.4 ft)
- 1* Wall Mounting Bracket
- 1* Drain Hose
- 1* Communication Wires
- 1* User Guide
- Additional gadgets and installation accessories.



Figure 1: Overview of the Acekool Mini Split AC system and included accessories.

You will receive 2 Boxes & may be delivered on different days



Figure 2: The system is shipped in two separate boxes, which may be delivered on different days.

SETUP AND INSTALLATION

Note: Professional installation is strongly recommended for this mini split AC system. Improper installation can lead to reduced performance, damage to the unit, or safety hazards.

Pre-Installation Considerations:

- Ensure the installation area for both indoor and outdoor units is suitable and meets local building codes.
- Verify power supply requirements (230V) are met.
- The unit comes pre-charged with refrigerant.

Key Installation Components:

- **Indoor Unit:** Typically mounted high on a wall. Dimensions are approximately 39.76" (W) x 12.40" (H) x 8.66" (D).
- **Outdoor Condenser:** Placed on a stable, level surface outdoors. Dimensions are approximately 30.70" (W) x 23.81" (H) x 13.74" (D).
- **Copper Wire Set:** A 16.4-ft copper wire set is included for connecting the indoor and outdoor units.



Figure 3: Unit dimensions and copper wire length for installation planning.

Capacity Selection:

Choosing the correct BTU capacity for your space is crucial for optimal performance. The 18000 BTUs unit is designed to cool and heat areas up to 1250 sq. ft.

19 SEER2 Mini Split Air Conditioner

Cooling & Heating

How to Choose

Square Feet	Capacity
Up to 450 sq.ft	9000 BTU
Up to 750 sq.ft	12000 BTU
Up to 1250 sq.ft	18000 BTU
Up to 1500 sq.ft	24000 BTU
Up to 2000 sq.ft	36000 BTU



Figure 4: Guide for selecting appropriate BTU capacity based on room size.

OPERATING INSTRUCTIONS

Your Acekool Mini Split AC system offers a variety of modes and smart features for customized comfort.

Operation Modes:

- Cool Mode:** Provides cooling, adjustable from 61°F to 88°F.
- Fan Mode:** Circulates air without heating or cooling.
- Dehumidify Mode:** Reduces humidity in the air (up to 93 Pints/Day).
- Heat Mode:** Provides heating, adjustable from 61°F to 88°F.
- Auto Mode:** Automatically selects cooling or heating based on the set temperature and ambient conditions.



Figure 5: Visual representation of the system's multiple operation modes.

Fan Speeds:

Select from 4 fan speeds to control airflow intensity.

Special Functions:

- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep, ensuring ultra-quiet operation (as low as 41dB).
- **ECO Mode:** Optimizes energy consumption for greater efficiency.
- **IFEEL:** The remote control senses the temperature around it and adjusts the airflow for localized comfort.
- **Timer Function:** Set the unit to turn on or off automatically with a 0.5-24 hour timer. The remote display turns off when not in use to prevent disturbance.



Figure 6: The unit's ultra-quiet operation and timing features for undisturbed comfort.

Smart Control System:

The Acekool Mini Split AC can be controlled via the included remote, a companion app, or voice assistants like Alexa.

- **Remote Control:** Full control over all modes and settings.
- **App Control:** Adjust settings and monitor the unit remotely from your smartphone.
- **Voice Control:** Seamlessly integrate with Alexa for hands-free operation.

Smart Control System

WIFI Control & Smart Voice Control



alexa

Figure 7: Smart control options via app and voice assistants for convenient operation.



 **Rapid Cooling**
Cools to as low as 60.8°F



 **Easy to Operate**
Remote Control & LED Digital Display



 **Built-in Heat Pump for Fast Heating**
Heats to as high as 89.6°F

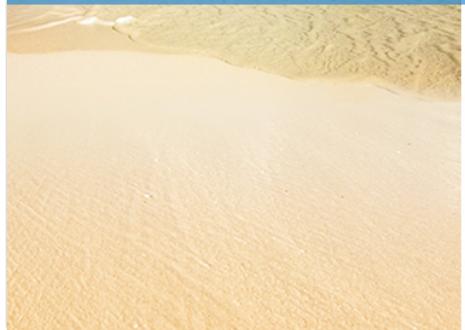


Figure 8: Highlights of rapid cooling, user-friendly controls, and efficient heating.

Built-In Heat Pump



Figure 9: The built-in heat pump provides both efficient cooling and heating.



Figure 10: Inverter technology and ECO mode contribute to significant energy savings.

HIGHER SEER RATING =More Savings



- Higher Energy Efficiency
- Lower Energy Cost

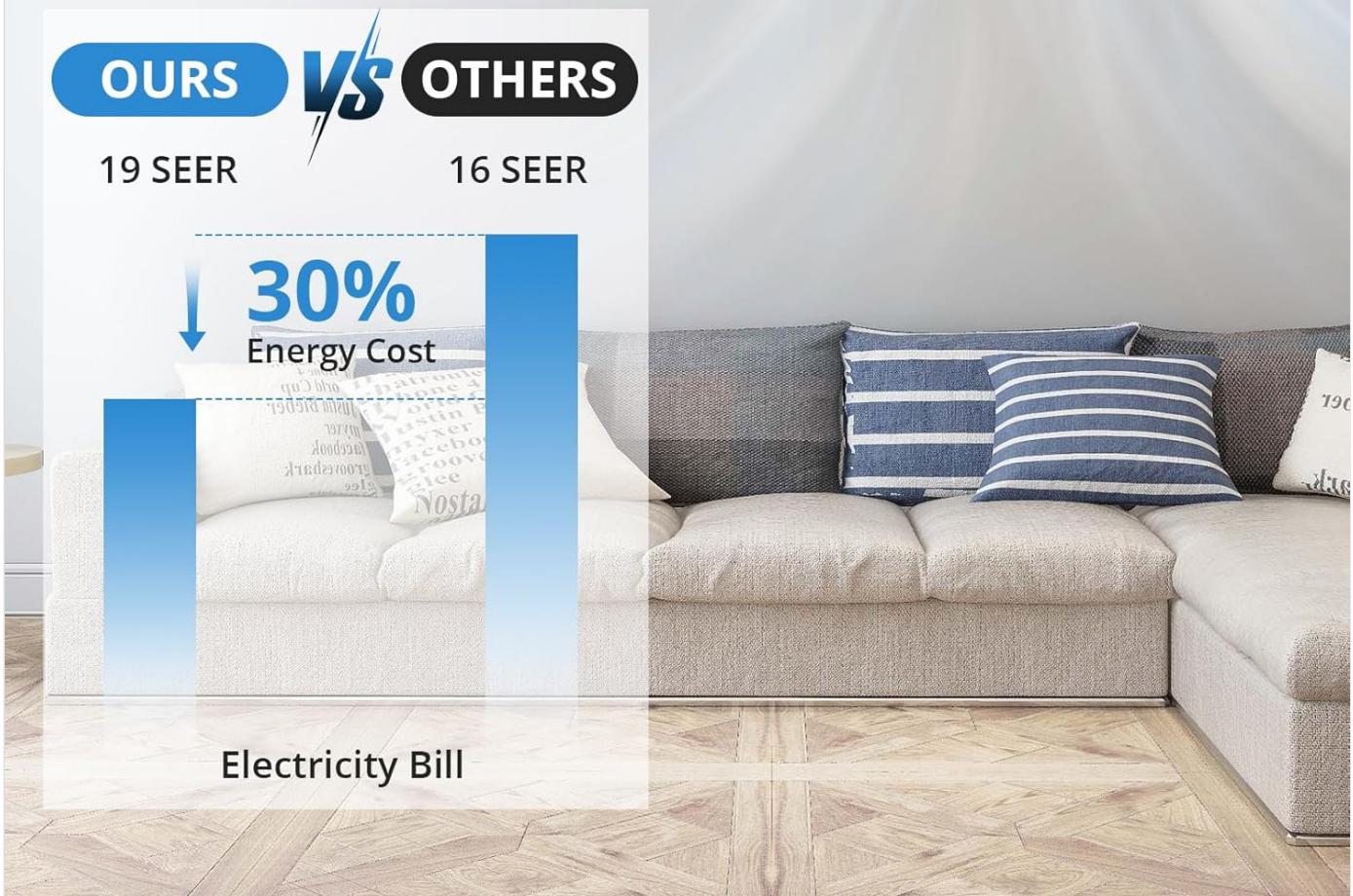


Figure 11: Higher SEER2 rating leads to increased energy efficiency and lower operating costs.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Acekool Mini Split AC system.

Filter Cleaning:

The unit features a detachable and easy-to-clean filter. Regularly clean the filter screen to prevent dust accumulation, which can affect efficiency.

- Frequency: Increase cleaning frequency in dusty environments.
- Procedure:
 1. Shut down the machine and cut off the power supply for more than 5 minutes before cleaning.
 2. Remove the filter screen carefully.
 3. Clean the filter using a soft brush or vacuum cleaner. For stubborn dirt, wash with lukewarm water and a mild

detergent.

4. Allow the filter to dry completely before reinserting.
5. Do not touch the fins of the indoor unit after removing the filter screen to avoid scratching.



Figure 12: The unit's distributed healthy filter system with easy-to-clean filters.

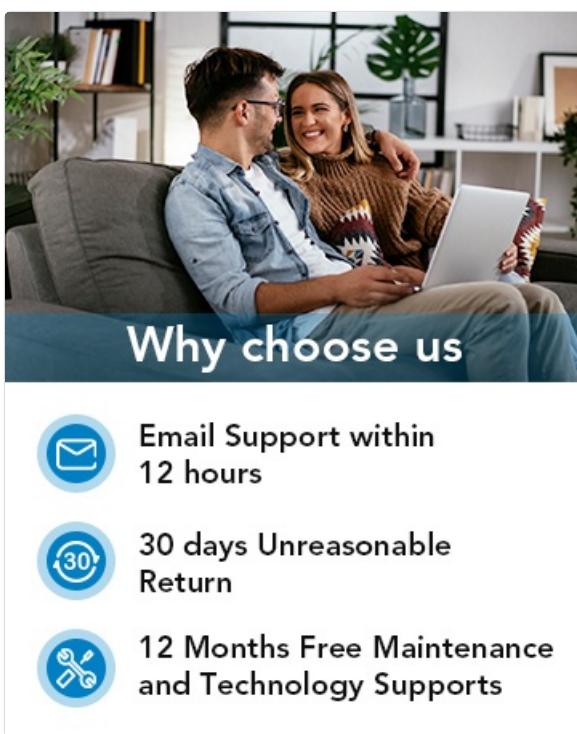


Figure 13: Steps for cleaning the air filter for optimal performance.

Defrost Cycle:

In heating operation, the appliance can automatically activate a defrost cycle to clean frost from the condenser and restore heat exchange function. This procedure typically lasts 2-10 minutes, during which the indoor unit fan stops. After

defrosting, it automatically resumes heating mode.

For forced defrosting, press the ECO button 10 times within 8 seconds under heating mode. This will defrost outdoor ice much faster.

General Cleaning:

- Never use volatile liquids (e.g., paint thinner, benzene) as they will damage the air conditioner.
- Wipe the exterior surfaces with a soft, dry cloth. For stubborn stains, use a cloth dampened with a neutral detergent.

TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote control batteries dead.	Check power supply, reset circuit breaker, replace remote control batteries.
Insufficient cooling/heating.	Dirty air filter, blocked outdoor unit, wrong mode selected, room too large.	Clean air filter, clear obstructions from outdoor unit, select appropriate mode, ensure unit capacity matches room size.
Unusual noise.	Loose parts, foreign objects, normal operating sounds (e.g., refrigerant flow).	Check for loose parts, remove foreign objects. If noise persists and is abnormal, contact support.
Water leakage from indoor unit.	Clogged drain hose, improper installation.	Check and clear drain hose. If issue persists, professional inspection may be required.

SPECIFICATIONS

Feature	Detail
Brand Name	Acekool
Model Info	ACE19S18K230VH54
Item Weight	84.5 pounds
Product Dimensions (Overall/Package)	35.24 x 27.96 x 16.03 inches
Item model number	ACE19S18K230VH54
Efficiency	High
Capacity (Dehumidification)	93 Pints/Day
Annual Energy Consumption	3.52 Kilowatts
Noise Level	50 dB (Operating)
Installation Type	Split System
Form Factor	Mini-Split

Feature	Detail
Special Features	Heating & Cooling Function
Color	White
Voltage	230V
Wattage	1840 watts
Material Type	Plastic
Cooling Power	18000 British Thermal Units
Seasonal Energy Efficiency Ratio (SEER)	19

WARRANTY AND SUPPORT

Acekool is committed to providing excellent customer service and support for your product.

- Email Support:** Expect a response within 12 hours for any inquiries.
- Return Policy:** 30 days for unreasonable returns.
- Maintenance & Technology Support:** 12 months of free maintenance and technology support.

For further assistance, please refer to the contact information provided with your purchase or visit the official Acekool website.



Figure 14: Acekool's commitment to customer support and warranty.